REGISTERED WEATHER BARS AND FASTENINGS,
FOR FRENCH CASEMENTS, DOORS, AND WINDOWS.
SCAMELL AND WOOLTORTON,
WHOLESALE IRONMONGERS, LOCK MANUFACTURERS, AND BRASS FOUNDERS,
74 and 76, WEST SMITHFIELD, LONDON.

THE MANUFACTURERS and AGENTS for the sale of the above, respectfully recommend them as the most perfect method of making casements and doors WEATHER-TIGHT and on a SECURE FASTENING. They can be easily applied to new, old, or thin casements or doors, effectually keeping out dust, wind, and wet, and prting, also as a FASTENING, have the important advantage of very materially adding, when ever applied, both to COMFORT and SECURITY.
Illustrated handbills and full particulars lent, upon application, to Messrs. SCAMELL & WOOLTORTON, 74, WEST SMITHFIELD.

G. H. BUCK, 122, Edgware-road, Paddington, begs to inform the above trades that he has purchased the business and premises of R. NEWSON, Plane, Saw, and Chisel Tool Manufacturer, where G. H. B. continues to offer the said boxwood, and bags to backs of saws to the trade, well-seasoned planes of every description. G. H. B. has also a good variety of irons and lathe appurtenances suitable for amateurs. Orders from the country will be punctually attended to, and lists of prices sent on application post free. Chisels, gouges, and Sawmills supplied at wholesale prices.—Furness, Leith.

TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.
PUMPS of Superior CONSTRUCTION, bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Market Places, Lawns, Gardens, and for Liquid Manure. BRICK-MAKERS' PUMPS, in Wrought and Cast Iron. HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth. SINGLE and DOUBLE PUMPS up to twelve-inch bore, kept for Hire.
HENRY FOWLER, late of St. Dunstan's-street, removed to the new Factory, Whitefriars-street, Fleet-street.

FARM AND COTTAGE PUMPS.
PATENT CAST-IRON PUMPS, for the use of Farms, Cottages, Manure Tanks, and Shallow Wells.

Patent Pump £1 15 0
Patent Pump, with 10 feet of lead pipe attached, and bolts and nuts ready for fixing 2 12 6
Longer sizes if required.
May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentees and Manufacturers,
JOHN WARNER and SONS,
Cripplegate, Junin-street, London.
Every description of Machinery for Raising Water, Fire, Engines, &c.
The usual allowance to the Trade.

WIRE NETTING and WINDOW BLIND MANUFACTORY. To her Majesty's Honourable Board of Ordnance, and the Honourable East India Company.—Wire Netting, 1d. per square foot; Galvanized ditto, requiring no paint, 2d.; Wire Blinds on mahogany frames, and tenter, corrugated, 1s. 1d. per foot; Zinc ditto, 1s. 6d. per foot. Venetians, 2d. per foot; Holland, Transparent, and Window Blinds of all kinds. Old blinds repaired, repainted, and written upon. Wire work for flower trellises, garden arches, seats, pheasantries, aviaries, and fowl houses of every description of gardens. Wire and ornamental goods, and every article in iron and wire, at THOMAS HENRY PUNCHARD'S CITY of LONDON WIRE-WORK, IRON FENCE, and WEAVING MANUFACTORY, 44, Skinner-street, and 4 and 5, Snow-hill, London. Every information, with samples or specimens and illustrated catalogue, forwarded post free. Wire cloth for paper-makers, millers, chemists and for the East and West Indies.

THE PATENT GALVANIZED IRON.
TUPPER and CARR,
Owners of Craufurd's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c. Water or Gas Pipes, Cisterns, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.
An allowance to the trade.
WORKS—MILLWALL and BIRMINGHAM.
LONDON OFFICE, 2, MANSION-HOUSE PLACE.

CRAUFURD'S PATENTS.—
THE PATENT
GALVANIZING and CORRUGATING IRON COMPANY.
JOHN SIMONDS and Co., Managers.
The Company have made considerable improvements in the mode of working Craufurd's Patents, and as their arrangements enable them to galvanize larger work than has been hitherto practicable, they are in a position to execute orders to any extent, in a manner hitherto unequalled, and they respectfully solicit the favours of builders, contractors, merchants, and others.
ON HAND, sheets, plain or corrugated, for iron houses, sheds, railway stations, &c., and fixed to order, if required.
Wire, piping, guttering, &c., for home use and exportation.
N.B. railroads to be galvanized, sent for and returned free of charge, within three miles of the Tower; and all light goods received by 6 a.m. will be returned the same day, if required.
Offices—18, Cornhill, Minories.
Works—Gloucester-road, opposite the London Docks.
*** A DISCOUNT ALLOWED TO THE TRADE.

IRON BUILDING and ROOFING WORKS,
BIRMINGHAM, late of Smethwick,
JOHN M. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, pig-sties, warehouses, factories, &c. &c.
PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

THE CORRUGATED and GALVANIZED IRON ROOF,
PORTABLE BUILDING, AND
SMYTHE'S PATENT FLOORING, ROOFING, AND GIRDER WORKS.
Offices, 63, Gracechurch-street.
JOHN WALKER, son of the Patentee of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his LIST of Prices, which, combined with good workmanship, are extremely low.
Models of the patent iron flooring, corrugated or not, and girders; also, drawings of roofs, on Smythe's principles, may be had on application.
Drawings of the iron lighthouse spoken of in the Times and other papers, and the Exposition for February 9th, may be seen by application.
References to firms of the highest class can be given.

SMYTHE'S PATENT
WROUGHT-IRON Fire-proof Flooring.
JOHN WALKER, Sole Manufacturer and Inventor.
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FIRE-PROOF FLOORS.
The late lamentable accident in Gracechurch-street serves to prove that where cast-iron is the foundation on which floors, &c. are made, much dependence cannot be placed on it. This induces John Walker to earnestly solicit the attention and consideration of Architects, Engineers, &c. to Mr. O. SMYTHE'S PATENT FLOORING, of which J. W. is the sole licensee and manufacturer. The material is wrought iron, and therefore not subject to sudden breaks, as cast-iron is—and wood is not introduced.
Descriptive pamphlets may be had, made to any scale, and every information may be obtained at JOHN WALKER'S OFFICES, 63, Gracechurch-street.
MANUFACTURER OF CORRUGATED IRON.

ROMAN and other CEMENTS.—Manufactured by J. M. BLASHFIELD, successor to the patentees, PARKER and WYATT, who, in 1796, first introduced PARKER'S ROMAN CEMENT, which has now for upwards of fifty years been extensively used in most of the public and private buildings and other works in this country and throughout the world. Among the more recent works in this country where it has been largely employed since the present proprietor became the manufacturer, may be named the Lyceum and St James's Theatres, the Carlton, Reform and Army and Navy Club Houses, the London Docks, the Thames Tunnel, the Winter Palace, St. Petersburgh, the British Museum, the York Minster, the Royal Exchange, the Nelson Column, and the New Houses of Parliament. When properly applied, it is the most perfect and economical Cement for hydraulic works known; and, when used as a stucco, it will resist the action of heat and frost, and preserve walls from damp. As a mortar for brickwork, it surpasses any other material, and is NEARLY AS CHEAP FOR SUCH WORK AS MORTAR MADE OF ORDINARY LIME. Terms as Hydraulic Lime, for setting machinery where slow indurations is important, or as to allow for the settlement of work. A Cement of extraordinary tensility and hydraulic properties, and with which the most ancient works in Lincolnshire have been cemented. Blashfield's Patent Mastic, or Oil Cement, which may be patented, manufactured after one Alan Harter's Cement, Keene's Cement, Portland Cement, Genuine Plaster of Paris, prepared from the purest gypsum, and of any degree of fineness required. Chimney-pots, Trusses, Pan Tiles, &c.—Manufactory, Mill-wall, Poplar, Depôts, Commercial-road, Lambeth, and Paddington basin. Counting-house, 2, New London-street, Mark-lane, City.

ROMAN CEMENT and PLASTER of PARIS WORKS,
THOS. FREEN and CO.,
Manufacturers of ROMAN CEMENT, PLASTER of PARIS, and GROUND BLUE LIAS LIME.
TUSCANY WHARF, Regent's Canal, Kingsland-road, LONDON.
DEPOTS—QUEEN'S WHARF, Great Cambridge-street, Hackney-road.
KING'S WHARF, New Wharf-road, Battle-bridge.
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N.B. LATHS, TILES, PAVING BRICKS, PLASTERERS' HAIR, ARTIFICIAL STONE, POTTERY WARE, &c. &c.

PORTLAND CEMENT, in Casks of Four Imperial Bushels. QUANTITY NOT WEIGHT, BRING THE STANDARD.—CHAS. FRANCIS and SONS, Cement Works, Nine Elms, London.

PORTLAND CEMENT, solely MANUFACTURED by WILLIAM ASPDIN, from the Patentee.—Messrs. ROBINS, ASPDIN, and Co. respectfully refer to No. 888, page 401; and also Nos. 884 and 885, pages 143 and 161, of "The Builder," for accounts of EXPERIMENTS on the strength of Portland Cements, whereby the great superiority of their Cement is manifest. This Cement has been proved for upwards of twenty years in the Thames Tunnel to resist the action of water; it is stronger in its cementitious qualities, harder, and more durable than any other description of cement; it does not vesicate, crystalize, or turn green; nor is it affected by any atmospheric influence whatever the climate, resisting alike the action of frost and heat. It is manufactured to set in from five to sixty minutes. For all purposes that Cement is applicable the Proprietors challenge competition.—Orders received by Messrs. ROBINS, ASPDIN, and Company, at their Manufactory, Northfleet, Kent, and their Wharf, Great Scotland-yard, Whitehall; also at their Depôt, 48, Hanover-street, Liverpool.

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PORTLAND CEMENT.—CHARLES RICHARDSON has the greatest confidence in introducing to the trade the above superior CEMENT, being of uniform colour and quality in consideration upon heavy attached to Portland Cements. It possesses extraordinary cementitious qualities, resists the action of frost and heat, and is more durable than any other Cement; does not vesicate, turn green, or crack, combined with which his cement by tensile properties, obtains it at once as the first Cement of the day for works where all the above qualities are requisite. It is manufactured on the only principle Portland Cement can be, and contrary to the statements put forth by those who have hitherto had the monopoly. Wholesale and Retail of C. RICHARDSON, Esq., at his Works, near the River Avon, and sent to all parts of the Kingdom per boat or rail, at a reduced price to the trade.

PORTLAND CEMENT, as manufactured by J. B. WHITE and SONS, possesses all the properties of the best Roman Cement, but has the advantage over that material of wholly resisting frost. When used as a stucco, it does not vesicate or turn green in damp situations, and requires no colouring. Employed as an hydraulic mortar for brickwork, it sets in four to five minutes of sand to one of cement, and is proved by trial to become harder and stronger in these proportions than Roman Cement with but one measure of sand. This superior cementing power, combined with its eminently hydraulic properties, point it out as the fittest material for building on and embankment walls, the lining of reservoirs, cisterns, and baths, and for all those purposes where strength and a perfect resistance to water are required.
Manufactories—J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington; and Earl-street, Blackfriars; and 48, Seel-street, Liverpool.

KEENE'S and PARIAN CEMENTS, for internal stucco, are employed very advantageously in place of wood for skirtings, architraves, and panel mouldings and for in-door flooring, instead of stone. The peculiar properties of PARIAN Cement allow of its being painted or papered upon within a few hours of its application, and thus render it an important substitute for common plastering in dining rooms, where an addition and beauty of finish are essential.—J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington; and Earl-street, Blackfriars, Patentees of KEENE'S Cement, Licensees of PARIAN Cement.

ATKINSON'S CEMENT, made in London from the stones supplied from the Malvern estate, is well known for its quick setting properties and fine natural colour which have distinguished it for many years as the best Cement for general and ornamental purposes.—Manufactories, J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington, and Earl-street, Blackfriars.

FRENCH PLASTER mixed with sand forms a hard stucco for internal walls, which dries rapidly, and may be used in all cases in place of lime and hair, at a trifling increase of cost. It is stronger for moulded work than English plaster, and is cheaper in its first cost.—Importers and Manufacturers, J. B. WHITE and SONS, Millbank-street, Westminster; 11, South Wharf-road, Paddington; and Earl-street, Blackfriars.

J. B. WHITE and SONS advise purchasers of PORTLAND CEMENT to ascertain if an article now selling under that name is a reduced price to the real Portland Cement or a spurious imitation of it in the shape of a lime Lime.

GREAVES'S PORTLAND, ROMAN, and LIAS CEMENTS.—The above possess every cementitious property, in an eminent degree, and are unequalled for all hydraulic purposes.
GREAVES'S GROUND BLUE LIAS LIME.
CHARLES RICHARDSON, Agent
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PERMANENT STUCCO WASH,
WITHOUT SIZE OR OTHER CORRUPTIBLE INGREDIENT.
As used at St. George's Hospital, Hyde Park Corner.
JOHNS and Co. having effected some important improvements in the manufacture of this very useful material, confidently offer it to the notice of the Trade and the Public generally, as possessing every advantage over the common Lime Wash or Water Colour for STUCCO or BRICK WORK. It is a Stone Colour, but may be tinted to any other.—DOES NOT WASH OFF—is perfectly dry in twenty-four hours, and, being a non-absorbent, is admirably adapted for Railway Stations, Union Workhouses, Barracks, Schools, Prisons, &c. One cwt. will cover 300 square yards. It will keep good for years, and MAY BE EXPORTED WITH PERFECT SAFETY.
JOHNS and CO.'S STUCCO CEMENT.—This cement, from the great reduction in price, and its enhancement for internal as well as external surfaces, places it above all other cements of its kind; it has no cementitious qualities; may be painted or papered in a few days; never blisters, cracks, or repaints; does becomes as hard as stone; and may be cleaned with a brush and water.
The merits of the PAINT are well known for the opportunity to choose work of all kinds, and external work generally. Numerous testimonials, prospectuses, and every information may be obtained on application to the Sole Agent, PHILIP HARE, at the Warehouse, 28, Steel-yard, Upper Thames-street. A liberal allowance to wholesale dealers.

PARIAN CEMENT for internal use, to be PAINTED IN A FEW HOURS, AND PAPERED WITHIN A COUPLE OF DAYS.—CHARLES FRANCIS and SONS, Patentees, Nine Elms, London.

GREY-STONE LIME.—HALL, Brothers, Merstham Lime Works, near Reigate, beg to offer to Builders and others a list of their prices for Cash on delivery.
Grey-Stone Lime ... 6s 0d per Yard, or 22 Bushels
Ditto, for Manure ... 6s ditto ditto
Ditto, Ashes ... 1s 6d ditto ditto
Black ditto ... 1s 6d ditto ditto
In not less than Six Yard quantities, and put on the Railway for all goods destined on the London and Brighton, and South Eastern Railways, or lines connected with them. A fresh supply has from the kilns daily, at the Brewhouse Arms and Croydon Stations, and delivered to all parts.
Prices for Cash on delivery.—7s per yard at the stations or works; 7s per yard delivered within five miles; 1s (not less than 3-yard quantities) Beaulieu, 8s per yard; in our yard all of good monthly. Collects is charged for. The quality is warranted to be the best.—Address, Merstham, near Reigate, Croydon; or Youll's place, Old Kent-road.

LIME WORKS, WOULDHAM, near ROCHESTER.
THOS. FREEN and CO. beg to inform builders, contractors, and others, that they have purchased the LIME WORKS at WOULDHAM, on the MEDWAY, of Mr. J. W. LISONBY, and are now prepared to supply GREY, CHALK, and PLAKE LIME, upon very reasonable terms, either to the large direct from their Works, or in small quantities from their Wharves, viz., TUSCANY WHARF, REGENT'S CANAL, NICHOLAS-ROAD, London; QUEEN'S WHARF, Great Cambridge-road, HACKNEY-ROAD; KING'S WHARF, NEW WHARF ROAD, BATTLE BRIDGE.

LAWRENCE and CO., 55, Parliament-street, Westminster and 10, Tower-place, Lambeth, Manufacturers and Dealers in Zinc, &c. Plain, 12s. Chinese, Chaff, 8s per foot; various sorts of chimney-cowls and pots, perforated zinc in sheets, 36d per foot; rain pipe, 8 in., 4d. per foot; bell tube, 8d per ft. Baths, window, skylights, drawn tube, &c. &c. in sheet, tin or brass plates supplied or fitted on most moderate terms for cash. Sheet zinc and tools of the best quality or cheap.

ZINC, from the VIEILLE MONTAGNE MINING COMPANY, is the purest known, free from alloy of iron, lead or sulphur. It is supplied in rolled for brass founders, &c., and in sheets for roofs, sheathing and roofing of all kinds, and tools of all dimensions. It may be had of the Sole Agents, of whom have always a large stock in hand.
London—Messrs. Charles Dowson and Co.; Mr. Charles Judd; Mr. William Kilvert.
Birmingham—Mr. John Barwell.
Liverpool—Messrs. E. Swiftchamberlain and Co.
Manchester—Messrs. Kirk, Johnson and Brother.
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Elder from 9 to 36 oz. per square foot is generally used for roofing, which comes at least one-third cheaper than slate or tiling, and the slip sheathing, which lasts from five to six years, comes two-thirds cheaper than copper or yellow metal. And if the zinc covering are made of the Vieille Montagne Zinc, and under the superintendence of Mr. FREDERICK BROWN, the surveyor of the Company, for which no charge whatever is made, a guarantee will be given of its durability.—For further particulars and prices apply to Mr. H. F. SCHWOLL, General Agent for Scotland, at the Company's Offices, No. 13, Manchester-buildings, Westminster-bridge, London.

PREVENTION of FIRES.—The attention of those who are interested in building is earnestly invited to a
METHOD OF CONSTRUCTING THE
FLOORS, CEILINGS, & ROOFS OF HOUSES
ON AN IMPROVED FIRE-PROOF PRINCIPLE,
THE ADOPTION OF WHICH SECURES MANY IMPORTANT ADVANTAGES,
at a cost NOT GREATER THAN THAT OF THE COMMON MODE OF BUILDING WITH TIMBER.
This most desirable object is attained by the substitution of incombustible materials, chiefly iron and concrete, in the formation of the floors and roofs, thereby dispensing the use of timber joists, &c., but retaining of wood, as may be desired, a hundred hundred surface for the floors.
From the published testimonials of the most competent authorities, it seems clear that to a house in which timber joists are used is practically secure from the danger of fire, but no method of fire-proof building yet introduced has been available for ordinary domestic buildings on account of the expense. This difficulty is now so entirely removed by the introduction of an improved method of construction, that it is a simple matter of choice whether a building shall be fire-proof or not. Consequently, indeed, with the serious consumption of timber rise, the fire-proof method exhibits considerable economy, and the total cost of a building will be still further reduced when the roof is constructed on this improved fire-proof system, which, so far from being merely theoretical, has proved the most convincing proof of its practicability; and it not only affords perfect security from the ravages of fire, but secures greatly increased strength and durability in the building, together with freedom from the attacks of dry rot, and from the annoyance of insects and vermin, for which there is no harbour.
For the object to which public attention is now so generally directed,—viz., the construction of improved dwellings for the laboring classes,—this system is peculiarly applicable; for when it is considered that several hundred individuals will generally be contained under one roof, and in a building probably five or six stories high, it is fearful to contemplate the sacrifice of life which may occur in the event of fire.
The Metropolitan Association, established for this object, have availed themselves of the advantages of this system in the construction of a large block of dwellings for sixty families, just completed in Bethnal-Green; and several large county lunatic asylums, workhouses, private mansions, dwelling-houses, offices, &c., are also either completed or in course of erection, embracing a wide and extensive application of the adaptation of this improved plan of building.
A pamphlet fully descriptive of the system and all further information, may be obtained on application to the proprietors of the patent, Messrs. FOX and HARRATT,
THAMES CHAMBERS, 13, YORK-BUILDINGS, ADELPHI.